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**AUTOMATIC SETTING OF CARDIAC OPERATING PARAMETERS  
BASED UPON CAPTURE THRESHOLD LEVEL**

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**ABSTRACT**

[91] An apparatus and method for operating an implantable stimulation device are disclosed. The implantable stimulation device is configured to dynamically modify pacing pulse energies based upon a patient's varying capture threshold. In at least certain situations where the implantable stimulation device modifies the pacing pulse energy, a stored value for an operating parameter, such as a ventricular blanking period or a maximum sensor rate, is automatically adjusted based upon the new pacing pulse energy. Additionally, the stored value may also be adjusted by additional variables in combination with the new pacing pulse energy.

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